

Name: _____

Block: _____

Average Atomic Mass

Calculate the average atomic mass of each of the following elements, based on the percent abundance of their isotopes:

1. bromine

- 50.697% ${}^{79}_{35}\text{Br}$
- 49.317% ${}^{81}_{35}\text{Br}$

2. silver

- 51.8397% ${}^{107}_{47}\text{Ag}$
- 48.1617% ${}^{109}_{47}\text{Ag}$

3. chlorine

- 75.777% ${}^{35}_{17}\text{Cl}$
- 24.237% ${}^{37}_{17}\text{Cl}$

4. zinc

- 48.63% ${}^{64}_{30}\text{Zn}$
- 27.92% ${}^{66}_{30}\text{Zn}$
- 4.11% ${}^{67}_{30}\text{Zn}$
- 18.84% ${}^{68}_{30}\text{Zn}$
- 0.61% ${}^{70}_{30}\text{Zn}$